

WHAT IS CLAIMED IS

1. A process for forming a metal layer on the surface of a resin molded product, comprising the steps of placing a resin molded product and a fine metal powder producing material into a treating vessel, and bringing said fine metal powder producing material into flowing contact with the surface of said resin molded product in said treating vessel, thereby producing a fine metal powder from said fine metal powder producing material, and forming a metal layer of said fine metal powder on the surface of said resin molded product.
2. A process for forming a metal layer according to claim 1, wherein said fine metal powder producing material is brought into flowing contact of with the surface of said resin molded product by applying a vibration and/or an agitation to said resin molded product and said fine metal powder producing material.
3. A process for forming a metal layer according to claim 1, wherein said treating vessel is a treating chamber in a barrel finishing machine.
4. A process for forming a metal layer according to claim 1, wherein the processing is carried out in a dry manner.
5. A process for forming a metal layer according to claim 1, wherein said fine metal powder producing material is a material for producing a fine powder of at least one metal selected from the group consisting of Cu, Sn, Zn, Pb, Cd, In, Au, Ag, Fe, Ni, Co, Cr and Al.
6. A process for forming a metal layer according to claim 1,

wherein the surface of the resin is previously roughened at a pre-step.

7. A process for forming a metal film on the surface of a resin molded product, comprising the steps of forming a metal layer on the surface of a resin molded product according to any of claims 1 to 6, and forming a metal film on said metal layer.

8. A process for forming a metal film according to claim 7, wherein said metal film is formed by an electroplating treatment or an electroless plating treatment.

9. A resin molded product which has a metal layer of a fine metal powder on the surface thereof.

10. A resin molded product which has a metal layer of a fine metal powder formed on the surface thereof, and a metal film formed on said metal layer.